

DWPI Abstract
(SE199603188A)

Novelty

The receiver includes a back-coupling coil which controls an oscillator device. The back coupling coil uses a back coupling signal which represents an argument value of the pilot carrier wave. The back coupling signal is obtained from an approximation of an argument for a complex number which represents the pilot carrier wave. The approximation maintains a full resolution of the complex number and the back-coupling coil controls the oscillator device so that the pilot argument tends to approach zero. The back-coupling coil compensates for channel effects. The oscillator device is a voltage controlled crystal oscillator and the multi-carrier wave transmission system is of the discrete multiple tone (MT) type or a MT-based very high bit rate digital subscriber line system.

Assignee

Standardized: TELIA AB 

Inventor

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Abstract

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Classes/Indexing

IPC

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Current IPC-R	Invention	Version	Additional Version
Advanced	H04L 5/06 H04L 27/26	20060101 20060101	- -
Core	H04L 5/02 H04L 27/26	20060101 20060101	- -

Subclass H04L 20060101 -

Locarno Class

Legal Status

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	Publication Number	Publication Date	Inventor	Assignee/Applicant	Title
	<u>SE199603188D0</u>	1996-09-02	ISAKSSON MIKAEL	TELIA AB	Improvements in, or relating to, multi-carrier transmission systems
	<u>SE199603188L</u>	1997-11-25	ISAKSSON MIKAEL	TELIA AB	Förbättringar av, eller med avseende på, multibärvägssystem
	<u>SE506635C2</u>	1998-01-26	ISAKSSON MIKAEL	TELIA AB	Receiver for multiple carrier wave transmission system
	<u>SE199601984D0</u>	1996-05-24	ISAKSSON MIKAEL	TELIA AB	Approximate argument calculation from a complex pilot carrier estimate for use as a feed-back signal in a DMT receiver phaselocked loop
	<u>SE199603188A</u>	1997-11-25	ISAKSSON MIKAEL	TELIA AB	Förbättringar av, eller med avseende på, multibärvägssystem
	<u>US6181714B1</u>	2001-01-30	Isaksson Mikael	TELIA AB	Multi-carrier transmission systems
	<u>WO1998010546A2</u>	1998-03-12	ISAKSSON Mikael	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<u>WO1998010546A3</u>	1998-06-04	ISAKSSON MIKAEL	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<u>AT235765T</u>	2003-04-15	ISAKSSON MIKAEL	ST MICROELECTRONICS NV	VERBESSERUNGEN BEI, ODER IN BEZUG AUF MEHRTRÄGERÜBERTRAGUNGSSY

				STEME
 DE69720225D1	2003-04-30	ISAKSSON MIKAEL	ST MICROELECTRONICS NV	VERBESSERUNGEN BEI, ODER IN BEZUG AUF MEHRTRÄGERÜBERTRAGUNGSSYSTEME
 EP920755B1	2003-03-26	ISAKSSON Mikael	ST MICROELECTRONICS NV	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
 EP920755A2	1999-06-09	ISAKSSON Mikael	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
 JP2001505373T	2001-04-17	-	-	-
 NO199900768A	1999-04-30	ISAKSSON MIKAEL	TELIA AB	Multibærer transmisjonssystem, og mottaker, transceiver og fremgangsmåte for samme
 NO199900768D0	1999-02-19	ISAKSSON MIKAEL	TELIA AB	Multibærer transmisjonssystem, og mottaker, transceiver og fremgangsmåte for samme

Claims

No Claims exist for this Record

Description

Background/ Summary



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Drawing Description



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Description



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